

#4 P. 02
B 9/24/02**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re PATENT APPLICATION of:

Akintade Oyedele Dare.

Serial No.: 09/741,426

Group Art Unit: 1634

Filed: December 21, 2000

Examiners: Goldberg

For: Method and Kit for Quantitating
Genomic DNA Damage and Repair
Capacity

RECEIVED

SEP 19 2002

TECH CENTER 1600/2900

September 14, 2002

SUPPLEMENTAL CLAIM AMENDMENTCommissioner of Patent
and Trademarks
Washington, D.C. 20231**IN THE CLAIMS**

As a supplement to the amendment filed August 22, 2002, please replace claim 7 with the following substitute claim 7:

81 7. (Twice Amended) A method of quantitatively assaying damage of sample DNA having abasic sites, said method comprising the steps of providing at respective regions of an analysis plate respective surface treatment solutions with sample DNA and multiple control DNA specimens wherein each control DNA specimen has a known extent of abasic sites, binding residues of the sample DNA and the control DNA specimens at the respective regions by removing unbound DNA and excess surface treatment solutions, and determining

B1 cancelled

an indication of tagged abasic sites of the sample DNA and control DNA specimens bound to the analysis plate by comparing the sample DNA with multiple control DNA specimens.

REMARKS

The amendment removes undue limitations of claim 7, as previously presented. As described in the specification the order of tagging is immaterial to the invention (Specification page. 4, line 2; page 20, line 13), DNA may be tagged at any point in the sequence. A redline version of claim 7 is attached.

Respectfully submitted,



Lawrence Harbin, Reg. No. 27,644
McIntyre Harbin & King
One Massachusetts Avenue, N.W., #330
Washington, DC 20001
(202) 408-2779 tel. (202) 408-2777 fax

REDLINE VERSION

RECEIVED
TECH CENTER 1600/2900
02 SEP 18 PM 3:03

7. (Twice Amended) A method of quantitatively assaying damage of sample DNA having abasic sites, said method comprising the steps of [depositing on] providing at respective regions of an analysis plate respective surface treatment solutions [containing] with sample DNA and multiple control DNA specimens wherein each control DNA specimen has a known extent of abasic sites, binding residues of the sample DNA and the control DNA specimens [to the analysis plate] at the respective regions by removing unbound DNA and excess surface treatment solutions, [tagging aldehyde groups associated with abasic sites of the sample and control DNA bound to the analysis plate,] and [providing] determining an indication of tagged abasic sites of the sample DNA and control DNA specimens bound to the analysis plate[, and] by comparing the sample DNA with multiple control DNA specimens [to determine the extent of abasic sites in the sample DNA].

*** RX REPORT ***

RECEPTION OK

TX/RX NO
CONNECTION TEL
SUBADDRESS
CONNECTION ID
ST. TIME
USAGE T
PGS.
RESULT

5679

2024082777

09/14 14:18

02'00

4

OK

RECEIVED
TECH CENTER 1600/2900
02 SEP 18 PM 3:03

RECEIVED
TECH CENTER 1600/2900

02 SEP 18 PM 3:03

MCINTYRE HARBIN & KING LLP
ONE MASSACHUSETTS AVENUE N.W., SUITE 330
WASHINGTON, DC 20001

TEL: 202.408.2779

FAX: 202.408.2777

RECEIVED

SEP 19 2002

TECH CENTER 1600/2900

FACSIMILE TRANSMITTAL SHEET

TO:	FROM:
Examiner Jeanine Goldberg	Lawrence Harbin
COMPANY:	DATE:
USPTO	9/14/2002
FAX NUMBER:	TOTAL NO. OF PAGES INCLUDING COVER:
703.308.4407	3
PHONE NUMBER:	SENDER'S REFERENCE NUMBER:
RE:	YOUR REFERENCE NUMBER:
Serial No. 09/741,426	

☐ URGENT ☐ FOR REVIEW ☐ PLEASE COMMENT ☐ PLEASE REPLY ☐ PLEASE RECYCLE

Supplement Claim Amendment Attached.